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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/045,320	11/09/2001	Kazuhiro Shitama	09792909-5269	1244
26263	7590	12/27/2005	EXAMINER	
SONNENSCHN NATH & ROSENTHAL LLP P.O. BOX 061080 WACKER DRIVE STATION, SEARS TOWER CHICAGO, IL 60606-1080			DAVIS, CYNTHIA L	
			ART UNIT	PAPER NUMBER
			2665	

DATE MAILED: 12/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/045,320

Applicant(s)

SHITAMA, KAZUHIRO

Examiner

Cynthia L. Davis

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10/28/2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Response to Arguments

2. Applicant's arguments with respect to claims 1-9 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fan in view of Abadi.

Regarding claim 1, authentication means for authenticating the device on said global network is disclosed in column 4, lines 50-52 of Fan. Creating means for creating an access permission entry in response to an access request from the device authenticated by said authentication means, and adding said access permission entry to an access permission list is disclosed in column 3, lines 46-49. Control means which, upon receiving a data packet sent from the device on said global network, determines whether or not said data packet should be transferred to said local access permission entry network based on information extracted from the header of said data packet and

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on the access permission entry contained in said access permission list is disclosed in column 3, lines 53-56. That the authentication is done in response to a service access request message is missing from Fan. However, Abadi discloses in column 4, lines 61-67 a device that requests authentication on a network, and receives authentication in response to the request. It would have been obvious to one skilled in the art at the time of the invention to include authentication requests in the system of Fan. The motivation would be to allow a user to initiate the process of seeking to authenticate themselves (see Abadi, column 4, lines 61-63).

Regarding claim 2, said access permission entry creating means extracts access information from an access request packet transmitted from the authenticated device, thereby creating an access permission entry containing a source IP address, a destination IP address, a source port number, a destination port number and a last access permission time is disclosed in column 3, lines 46-49; column 1, lines 43-46; and column 12, lines 14-17 (last permission time).

Regarding claim 3, said control means extracts a source IP address, a destination IP address, a source port number and a destination port number from the header of the data packet transmitted from the device on said global network, compares these extracted items of information with the information about the access permission entry contained in said access permission list and transfers said data packet to said local network if the two pieces of information correspond in all of the source IP address, destination IP address, source port number and destination port number is disclosed in column 1, lines 43-46, and column 3, lines 12-13 and 53-56.

Regarding claim 4, said control means eliminates the access permission entry corresponding to a relevant access from said access permission list in accordance with an access termination notification from the device on said global network is disclosed in column 10, lines 13-22.

Regarding claim 5, said control means calculates the length of time which elapsed from the last access based on a last access permission time stored in the access permission entry which corresponds to the time at which the data packet was received from the device on said global network, and eliminates the access permission entry from said access permission list when the elapsed time exceeds a predetermined reference time is disclosed in figure 7 and column 12, lines 10-25.

Regarding claim 6, storage means for storing said access permission list is disclosed at column 3, lines 53-56.

Regarding claim 7, authenticating the device on said global network is disclosed in column 4, lines 50-52 of Fan. Creating an access permission entry in response to an access request from the authenticated device and adding the access permission entry to an access permission list is disclosed in column 3, lines 46-49. Determining, upon receiving a data packet from a device on said global network, whether or not said data packet should be transferred to said local network based on information extracted from the header of said data packet and on the access permission entry contained in said access permission list is disclosed in column 3, lines 53-56. That the authentication is done in response to a service access request message is missing from Fan. However, Abadi discloses in column 4, lines 61-67 a device that requests authentication on a

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network, and receives authentication in response to the request. It would have been obvious to one skilled in the art at the time of the invention to include authentication requests in the system of Fan. The motivation would be to allow a user to initiate the process of seeking to authenticate themselves (see Abadi, column 4, lines 61-63).

Regarding claim 8, in the step of creating the access permission entry, access information is extracted from an access request packet transmitted from the authenticated device, so that an access permission entry can be created which contains a source IP address, a destination IP address, a source port number, an access destination port number and a last permission time is disclosed in column 3, lines 46-49; column 1, lines 43-46; and column 12, lines 14-17 (last permission time).

Regarding claim 9, a source IP address, a source port number, a destination IP address and a destination port number are extracted from the header of the data packet transmitted from the device on said global network, and the extracted items of information are compared with information about the access permission entry contained in said access permission list, whereby said data packet is transferred to said local network if the two pieces of information correspond in all of the source IP address, destination IP address, source port number and destination port number is disclosed in column 1, lines 43-46, and column 3, lines 12-13 and 53-56.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cynthia L Davis whose telephone number is (571) 272-3117. The examiner can normally be reached on 8:30 to 6, Monday to Thursday.

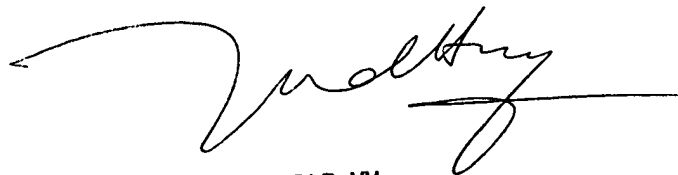
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on (571) 272-3155. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CLD
12/21/2005

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HUY D. VU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600